

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Vemuri B. Reddy et al.
Serial No: 548,228
Filed : November 2, 1983
For : Heteropolymeric Proteins

Art Unit: 127
Examiner: Giesser

11/B
12/30/85

Commissioner of Patents and Trademarks
Washington, DC 20231

Sir,

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D. C. 20231, on 12/11/85.

Amendment

..... Pamela J. Giesser

Responsive to the Office Action mailed on July 26,

DEC 26 1985

1985, kindly amend the application as follows.

In the claims:

GROUP 120

Cancel Claims 2, 4, 6, 8, 16, 32, 36, and 39.

Amend claims 1, 5, 6, 9, 22, 29, 33, 34, and 35 as

follows:

--1. (Twice Amended) [A] The biologically active heterodimeric human fertility hormone [selected from hCG,] LH [, and FSH], said LH [hormone] comprising an alpha and a beta subunit, each said subunit being encoded in nature by a distinct mRNA and being synthesized by a cell comprising an expression vector comprising heterologous DNA encoding said subunit [.] , said LH being completely free of FSH and hCG.

B2 ccm 1-8. (Twice Amended) A cell comprising a first expression vector, said cell being capable of producing a biologically active ^{heterodimeric} human fertility hormone ^{an alpha subunit and a beta subunit} comprised of two subunits, each said subunit being encoded in nature by a 30074 01/14/86 548228 06-1050 030 202 34.00CH distinct mRNA, said hormone being selected from the group consisting essentially of hCG, and LH, [and FSH,] ^{the alpha subunit} one or both said subunits of said hormone being encoded [at least in part] ^{and} by said first expression vector. ^{etc.}



W
P
B2
f

B2 ccm
2 B
10
G B
10
1 new
E1